

INVESTIGATION DATE	
Current 3/20/80	Last
TO: (Facility Name, Location & Address) Des Moines Barrel and Drum Company S.E. 19th and Scott Des Moines, Iowa 50317 (515)266-5121	
RE:(Specify Investigation Purpose Or Cite Rule) 400--27.14(2), I.A.C.	

FROM: IOWA DEPT. OF ENVIRONMENTAL  
(Use REGION NO. 5 - P.O. BOX 6  
Stamp) SUITE 21 - 317 E. 5th STRE  
DES MOINES, IOWA 50309  
PHONE 515/281-3622

Persons Contacted (Name & Position)  
Virgil Smith - Owner/Manager RECEIVED

MAR 28 2 11 P

DEPARTMENT  
ENVIRONMENTAL

**OBSERVATIONS/RECOMMENDATIONS**

In response to a request for instructions on disposal of industrial sludges by the Moines Barrel and Drum Company, an investigation of that facility was undertaken on 3/20/80 by this writer and Gene Evans. Mr. Virgil Smith was contacted in person during this inspection.

200-300 barrels, which previously contained various inks, paints, herbicides or resins are cleaned and repainted at this facility on a daily basis. One of the processes at this facility involves rinsing out open ended barrels of their removable wastes thereby subjecting these barrels to a high intensity flame to burn out any remainder of the organic based wastes.

The water used to rinse the insides out of the above mentioned barrels drains into an irregularly shaped sludge pit (approximately 30 feet at its widest, 40 feet at its longest, and 4 feet deep). Sludge is periodically withdrawn from this pit and piled outside and adjacent to the pit. A sludge pile approximately 4 feet high, 35 feet long and 25 feet wide was observed at the time of this inspection.

A sample of the liquid was withdrawn from the pit at the time of this inspection and submitted for analysis (heavy metals, pH, alkalinity, COD, and TO - see attached results). A sample of the sludge was submitted by Mr. Smith on 7/17/79 (see attached results).

It should be noted that this facility is in the Des Moines River bottom area, but is protected by a levee. Further, no precise idea of the composition of the soil on the property is available in the public record, but in general the area is composed of silt soil with a variable water table.

An evaluation of the permeability of the soil in which this pit lies should be made to be sure that significant downward leakage of the pit's contents is not taking place.

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 Superfund

SUSPENSE DATE	Signature	Date
1/1	Inspector <i>Michael Oswald</i> Env. Specialist	3/26/80
	Regional Administrator <i>Gene W. Healy, P.E.</i>	3/26/80
Enclosures (Specify)		
Distribution: Regional Office: Central Office: Inspected Facility		